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^{ifw}
PATENT
Attorney Docket No.: 022001-000902US

On 11/2/04

TOWNSEND and TOWNSEND and CREW LLP

By: [Signature]
Tiffany Wu

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Yulun Wang

Application No.: 10/722,837

Filed: November 26, 2003

For: MULTI-FUNCTIONAL
SURGICAL CONTROL SYSTEM AND
SWITCHING INTERFACE

Examiner: To Be Assigned

Art Unit: 3739

INFORMATION DISCLOSURE
STATEMENT UNDER 37 CFR §1.97 and
§1.98

Commissioner for Patents
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Alexandria, VA 22313-1450

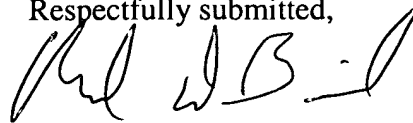
Sir:

The references cited on attached form PTO/SB/08A and PTO/SB/08B are being called to the attention of the Examiner. Copies of U.S. references are not enclosed. Copies of the non- U.S. references identified as 187 and 189. In accordance with 37 CFR §1.98(d), copies of the remaining references can be found in Application No. 08/693,352, filed August 6, 1996 (Attorney Docket No. 022001-000910US). It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

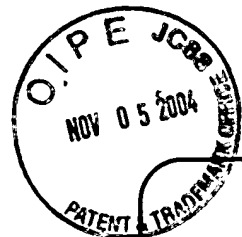
Applicant believes that no fee is required for submission of this statement. However, if a fee is required, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Mark D. Barrish', is written over the typed name.

Mark D. Barrish
Reg. No. 36,443

TOWNSEND and TOWNSEND and CREW LLP
Two Embarcadero Center, Eighth Floor
San Francisco, California 94111-3834
Tel: 650-326-2400
Fax: 650-326-2422
MDB:rlj
60332842 v1



PTO/SB/21 (04-04)

**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/722,837
	Filing Date	November 26, 2003
	First Named Inventor	WANG, YULUN
	Art Unit	3739
	Examiner Name	
Total Number of Pages in This Submission	Attorney Docket Number	022001-000902US

ENCLOSURES (Check all that apply)

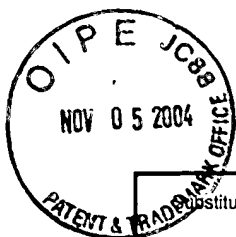
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Technology Center (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Return Postcard PTO Form SB/08A and SB/08B Copies of 2 cited references
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Townsend and Townsend and Crew LLP	Reg. No. 36,443
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CERTIFICATE OF TRANSMISSION/MAILING

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Typed or printed name	Tiffany Wu		
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known			
		Application Number	10/722,837		
		Filing Date	November 26, 2003		
		First Named Inventor	Hwang, Yean-Yow		
		Art Unit	3739		
		Examiner Name	Unassigned		
Sheet	1	of	9	Attorney Docket Number	022001-000902US

U.S. PATENT DOCUMENTS+					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code ² (if known)			
	0001	US-977,825	12-06-1910	Murphy	
	0002	US-3,171,549	03-02-1965	Orloff	
	0003	US-3,280,991	10-25-1966	Melton et al.	
	0004	US-4,058,001	11-15-1977	Waxman	
	0005	US-4,128,880	12-05-1978	Cray, Jr.	
	0006	US-4,221,997	09-09-1980	Flemming	
	0007	US-4,367,998	01-11-1983	Causer	
	0008	US-4,401,852	08-30-1983	Noso et al.	
	0009	US-4,456,961	06-26-1984	Price et al.	
	0010	US-4,460,302	07-17-1984	Moreau et al.	
	0011	US-4,474,174	10-02-1984	Petruzzi	
	0011	US-4,750,136	06-07-1988	Arpin	
	0012	US-4,491,135	01-01-1985	Klein	
	0013	US-4,503,854	03-12-1985	Jako	
	0014	US-4,517,963	05-21-1985	Michel	
	0015	US-4,523,884	06-18-1985	Clement et al.	
	0016	US-4,586,398	05-06-1986	Yindra	
	0017	US-4,604,016	08-05-1986	Joyce	
	0018	US-4,616,637	10-14-1986	Caspari et al.	
	0019	US-4,624,011	11-18-1986	Watanabe et al.	
	0020	US-4,633,389	12-30-1986	Tanaka et al.	
	0021	US-4,635,292	01-06-1987	Mori et al.	
	0022	US-4,641,292	02-03-1987	Tunnell et al.	
	0023	US-4,655,257	04-07-1987	Iwashita	
	0024	US-4,672,963	06-16-1987	Batten	
	0025	US-4,676,243	06-30-1987	Clayman	
	0026	US-4,728,974	03-01-1988	Nio et al.	
	0027	US-4,762,455	08-09-1988	Coughlan et al.	
	0028	US-4,791,934	12-20-1988	Brunnett	
	0029	US-4,791,940	12-20-1988	Hirschfeld et al.	
	0030	US-4,794,912	01-03-1989	Lia	
	0031	US-4,815,006	03-21-1989	Andersson et al.	
	0032	US-4,815,450	03-28-1989	Patel	
	0033	US-4,837,734	06-06-1989	Ichikawa et al.	
	0034	US-4,852,083	07-25-1989	Niehaus et al.	
	0035	US-4,853,874	08-01-1989	Iwamoto et al.	
	0036	US-4,854,301	08-08-1989	Nakajima	
	0037	US-4,860,215	08-22-1989	Seraji	
	0038	US-4,863,133	09-05-1989	Bonnell	
	0039	US-4,883,400	11-28-1989	Kuban et al.	
	0040	US-4,930,494	06-05-1990	Takehana et al.	
Examiner Signature			Date Considered		

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>			Complete If Known	
			Application Number	10/722,837
			Filing Date	November 26, 2003
			First Named Inventor	Hwang, Yean-Yow
			Art Unit	3739
			Examiner Name	Unassigned
Sheet 2	of 9	Attorney Docket Number		022001-000902US

U.S. PATENT DOCUMENTS+					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code ² (if known)			
	0041	US-4,945,479	07-31-1990	Rusterholz et al.	
	0042	US-4,949,717	08-21-1990	Shaw	
	0043	US-4,954,952	09-04-1990	Ubhayakar et al.	
	0044	US-4,965,417	10-23-1990	Massie	
	0045	US-4,969,709	11-13-1990	Sogawa et al.	
	0046	US-4,969,890	11-13-1990	Sugita et al.	
	0047	US-4,979,933	12-25-1990	Runge	
	0048	US-4,979,949	12-25-1990	Matsen, III et al.	
	0049	US-4,980,626	12-25-1990	Hess et al.	
	0050	US-4,989,253	01-29-1991	Liang et al.	
	0051	US-4,996,975	03-05-1991	Nakamura	
	0052	US-5,019,968	05-28-1991	Wang et al.	
	0053	US-5,020,001	05-28-1991	Yamamoto et al.	
	0054	US-5,065,741	11-19-1991	Uchiyama et al.	
	0055	US-5,078,140	01-07-1992	Kwoh	
	0056	US-5,086,401	02-04-1992	Glassman et al.	
	0057	US-5,091,656	02-25-1992	Gahn	
	0058	US-5,097,829	03-24-1992	Quisenberry	
	0059	US-5,097,839	03-24-1992	Allen	
	0060	US-5,098,426	03-24-1992	Sklar et al.	
	0061	US-5,105,367	04-14-1992	Tsuchihashi et al.	
	0062	US-5,109,499	04-28-1992	Inagami et al.	
	0063	US-5,123,095	06-16-1992	Papadopoulos et al.	
	0064	US-5,131,105	07-21-1992	Harrawood et al.	
	0065	US-5,142,930	09-01-1992	Allen et al.	
	0066	US-5,145,227	09-08-1992	Monford, Jr.	
	0067	US-5,166,513	11-24-1992	Keenan et al.	
	0068	US-5,175,694	12-29-1992	Amato	
	0069	US-5,182,641	01-26-1993	Diner et al.	
	0070	US-5,184,601	02-09-1993	Putman	
	0071	US-5,187,574	02-16-1993	Kosemura et al.	
	0072	US-5,196,688	03-23-1993	Hesse et al.	
	0073	US-5,201,325	04-13-1993	McEwen et al.	
	0074	US-5,201,743	04-13-1993	Haber et al.	
	0075	US-5,217,003	06-08-1993	Wilk	
	0076	US-5,221,283	06-22-1993	Chang	
	0077	US-5,228,429	07-20-1993	Hatano	
	0078	US-5,230,623	07-27-1993	Guthrie et al.	
	0079	US-5,236,432	08-17-1993	Matsen, III et al.	
	0080	US-5,251,127	10-05-1993	Raab	
	0081	US-5,257,999	11-02-1993	Slanetz, Jr.	

Examiner Signature	Date Considered
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			Application Number	10/722,837	
			Filing Date	November 26, 2003	
			First Named Inventor	Hwang, Yean-Yow	
			Art Unit	3739	
Examiner Name	Unassigned				
Sheet	3	of	9	Attorney Docket Number	022001-000902US

U.S. PATENT DOCUMENTS+					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code ² (if known)			
	0082	US-5,271,384	12-21-1993	McEwen et al.	
	0083	US-5,279,309	01-18-1994	Taylor et al.	
	0084	US-5,282,806	02-01-1994	Haber	
	0085	US-5,289,273	02-22-1994	Lang	
	0086	US-5,289,365	02-22-1994	Caldwell et al.	
	0087	US-5,299,288	03-29-1994	Glassman et al.	
	0088	US-5,300,926	04-05-1994	Stoeckl	
	0089	US-5,303,148	04-12-1994	Mattson et al.	
	0090	US-5,304,185	04-19-1994	Taylor	
	0091	US-5,305,203	04-19-1994	Raab	
	0092	US-5,305,427	04-19-1994	Nagata	
	0093	US-5,309,717	05-10-1994	Minch	
	0094	US-5,313,306	05-17-1994	Kuban et al.	
	0095	US-5,320,630	06-14-1994	Ahmed	
	0096	US-5,335,313	08-02-1994	Douglas	
	0097	US-5,337,732	08-16-1994	Grundfest et al.	
	0098	US-5,339,799	08-23-1994	Kami et al.	
	0099	US-5,343,385	08-30-1994	Joskowicz et al.	
	0100	US-5,343,391	08-30-1994	Mushabac	
	0101	US-5,345,538	09-06-1994	Narayannan et al.	
	0102	US-5,357,962	10-25-1994	Green	
	0103	US-5,368,015	11-29-1994	Wilk	
	0104	US-5,368,428	11-29-1994	Hussey et al.	
	0105	US-5,371,536	12-06-1994	Yamaguchi	
	0106	US-5,382,885	01-17-1995	Salcudean et al.	
	0107	US-5,388,987	02-14-1995	Badoz et al.	
	0108	US-5,395,369	03-07-1995	McBrayer et al.	
	0109	US-5,397,323	03-14-1995	Taylor et al.	
	0110	US-5,402,801	04-04-1995	Taylor	
	0111	US-5,403,319	04-04-1995	Matsen, III et al.	
	0112	US-5,408,409	04-18-1995	Glassman et al.	
	0113	US-5,410,638	04-25-1995	Colgate et al.	
	0114	US-5,417,210	05-23-1995	Funda et al.	
	0115	US-5,417,701	05-23-1995	Holmes	
	0116	US-5,422,521	06-06-1995	Neer et al.	
	0117	US-5,431,645	07-11-1995	Smith et al.	
	0118	US-5,434,457	07-18-1995	Josephs et al.	
	0119	US-5,442,728	08-15-1995	Kaufman et al.	
	0120	US-5,445,166	08-29-1995	Taylor	
	0121	US-5,445,166	08-29-1995	Taylor	
	0122	US-5,451,924	09-19-1995	Massimino et al.	

Examiner Signature	Date Considered
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			Filing Date	November 26, 2003
			First Named Inventor	Hwang, Yean-Yow
			Art Unit	3739
Examiner Name	Unassigned			
Sheet 4	of 9	Attorney Docket Number	022001-000902US	

U.S. PATENT DOCUMENTS+					
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		Number Kind Code ² (if known)			
	0123	US-5,455,766	10-03-1995	Scheller et al.	
	0124	US-5,458,547	10-17-1995	Teraoka et al.	
	0125	US-5,458,574	10-17-1995	Machold et al.	
	0126	US-5,476,010	12-19-1995	Fleming et al.	
	0127	US-5,490,117	02-06-1996	Oda et al.	
	0128	US-5,506,912	04-09-1996	Nagasaki et al.	
	0129	US-5,512,919	04-30-1996	Araki	
	0130	US-5,515,478	05-07-1996	Wang	
	0131	US-5,544,654	08-13-1996	Murphy et al.	
	0132	US-5,553,198	09-03-1996	Wang et al.	
	0133	US-5,562,503	10-08-1996	Ellman et al.	
	0134	US-5,571,110	11-05-1996	Matsen, III et al.	
	0135	US-5,572,999	11-12-1996	Funda et al.	
	0136	US-5,609,560	03-11-1997	Ichikawa et al.	
	0137	US-5,626,595	05-06-1997	Sklar et al.	
	0138	US-5,629,594	05-13-1997	Jacobus et al.	
	0139	US-5,630,431	05-20-1997	Taylor	
	0140	US-5,631,973	05-20-1997	Green	
	0141	US-5,636,259	06-03-1997	Khutoryansky et al.	
	0142	US-5,649,956	07-22-1997	Jensen et al.	
	0143	US-5,657,429	08-12-1997	Wang et al.	
	0144	US-5,658,250	08-19-1997	Blomquist et al.	
	0145	US-5,676,673	10-14-1997	Ferre et al.	
	0146	US-5,695,500	12-09-1997	Taylor et al.	
	0147	US-5,696,574	12-09-1997	Schwaegerle	
	0148	US-5,696,837	12-09-1997	Green	
	0149	US-5,718,038	02-17-1998	Takiar et al.	
	0150	US-5,727,569	03-17-1998	Benetti et al.	
	0151	US-5,735,290	04-07-1998	Sterman et al.	
	0152	US-5,737,711	04-07-1998	Abe	
	0153	US-5,774,741	06-30-1998	Salazar, et al.	
	0154	US-5,749,362	05-12-1998	Funda et al.	
	0155	US-5,754,741	05-19-1998	Wang et al.	
	0156	US-5,762,458	06-09-1998	Wang et al.	
	0157	US-5,776,126	07-07-1998	Wilk et al.	
	0158	US-5,779,623	07-14-1998	Bonnell	
	0159	US-5,792,135	08-11-1998	Madhani et al.	
	0160	US-5,792,178	08-11-1998	Welch et al.	
	0161	US-5,797,900	08-25-1998	Madhani et al.	
	0162	US-5,800,423	09-01-1998	Jensen	
	0163	US-5,807,284	09-15-1998	Foxlin	

Examiner Signature	Date Considered
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		Number Kind Code ² (if known)			
	0164	US-5,807,377	09-15-1998	Madhani et al.	
	0165	US-5,807,378	09-15-1998	Jensen et al.	
	0166	US-5,808,665	09-15-1998	Green	
	0167	US-5,810,880	09-22-1998	Jensen et al.	
	0168	US-5,813,813	09-29-1998	Daum et al.	
	0169	US-5,814,038	09-29-1998	Jensen et al.	
	0170	US-5,817,084	10-06-1998	Jensen	
	0171	US-5,825,982	10-20-1998	Wright et al.	
	0172	US-5,836,869	11-17-1998	Kudo et al.	
	0173	US-5,844,824	12-01-1998	Newman et al.	
	0174	US-5,855,583	01-05-1999	Wang et al.	
	0175	US-5,859,934	01-12-1999	Green	
	0176	US-5,860,995	01-19-1999	Berkelaar	
	0177	US-5,876,325	03-02-1999	Mizuno et al.	
	0178	US-5,878,193	03-02-1999	Wang et al.	
	0179	US-5,882,206	03-16-1999	Gillio	
	0180	US-5,887,121	03-23-1999	Funda et al.	
	0181	US-5,931,832	08-03-1999	Jensen	
	0182	US-5,950,629	09-14-1999	Taylor et al.	
	0183	US-5,971,976	10-26-1999	Wang et al.	
	0184	US-6,024,695	02-15-2000	Taylor et al.	
	0185	US-6,102,850	08-15-2000	Wang et al.	
	0186	US-6,278,975	08-21-2001	Brant et al.	

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		Country Code ³	Number ⁴	Kind Code* (if known)				
	0187	DE	4310842	C2	01-25-1995	Gralowicz et al.		<input type="checkbox"/>
	0188	DE	9204118.3		07-02-1992	Zeiss		<input type="checkbox"/>
	0189	EP	0776738	A2	06-04-1997	Green		<input type="checkbox"/>
	0190	EP	0239409	A1	09-30-1987	Funakubo et al.		<input type="checkbox"/>
	0191	EP	0424687	A1	05-02-1991	Baum		
	0192	WO	97/15240		05-01-1997	Brant et al.		<input type="checkbox"/>
	0193	WO	94/26167		11-24-1994	Jensen		
	0194	WO	94/18881		09-01-1994	Sterman et al.		
	0195	WO	92/20295		11-26-1992	Koivukanqas		<input type="checkbox"/>
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	0197	WO	91/04711		04-18-1991	Henrion et al.		<input type="checkbox"/>

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			Application Number	10/722,837	
			Filing Date	November 26, 2003	
			First Named Inventor	Hwang, Yean-Yow	
			Art Unit	3739	
			Examiner Name	Unassigned	
Sheet	6	of	9	Attorney Docket Number	022001-000902US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
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	0199	"A New Microsurgical Robot System for Corneal Transplantation" (NORIYUKI TEJIMA), Precision Machinery 1988	
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	0202	"An Advanced Control Micromanipulator for Surgical Applications" (BEN GAYED et al.), Systems Science Vol. 13 1987	
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	0213	"Power and Impedance Scaling in Bilateral Manipulation" (J. EDWARD COLGATE), IEEE 1991	

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			Examiner Name	Unassigned	
Sheet	7	of	9	Attorney Docket Number	022001-000902US

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	0214	"Properties of Master-Slave Robots" (C. Vibet), Motor-con 1987		
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	0220	"Taming the Bull: Safety in a Precise Surgical Robot" (RUSSELL H. TAYLOR et al.), IEEE 1991		
	0221	Abstract of a presentation "3-D Vision Technology Applied to Advanced Minimally Invasive Surgery Systems" given at the 3rd World Congress of Endoscopic Surgery in Bordeaux, June 18-20, 1992 "Session 15/3" (1 page total).		
	0222	Abstract of a presentation "A Pneumatic Controlled Sewing Device for Endoscopic Application the MIS Sewing Instrument MSI" given at the 3rd World Congress of Endoscopic Surgery in Bordeaux, June 18-20, 1992 (1 page total).		
	0223	Abstract of a presentation "Camera Control for Laparoscopic Surgery by Speech-Recognizing Robot: Constant Attention and Better Use of Personnel" (COLIN BESANT et al.) given at the 3rd World Congress of Endoscopic Surgery in Bordeaux, June 18-20, 1992 (1 page total).		
	0224	Abstract of a presentation "Concept and Experimental Application of a Surgical Robotic System the Steerable MIS Instrument SMI" given at the 3rd World Congress of Endoscopic Surgery in Bordeaux, June 18-20, 1992 (1 page total).		
	0225	Abstract of a presentation "Design Considerations of a New Generation Endoscope Using Robotics and Computer Vision Technology" (S.M. KRISHNAN et al.) given at the 3rd World Congress of Endoscopic Surgery in Bordeaux, June 18-20, 1992 (1 page total).		
	0226	Abstract of a presentation "Telepresence: Advanced Teleoperator Technology for Minimally Invasive Surgery", (P. GREEN et al.) given at "Medicine meets virtual reality" symposium in San Diego, June 4-7, 1992 (20 pages total)		
	0227	Abstract of a presentation given at the 3rd World Congress of Endoscopic Surgery in Bordeaux, June 18-20, 1992, entitled "Session 15/1" (1 page total).		
	0228	Abstract of a presentation given at the 3rd World Congress of Endoscopic Surgery in Bordeaux (18 to 20 June 1992), entitled "Session 15/2" (1 page total).		
	0229	Abstract of a presentation given at the 3rd World Congress of Endoscopic Surgery in Bordeaux (18 to 20 June 1992), entitled "Session 15/4" (1 page total).		

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Sheet	8	of	9
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